

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 35-41, 43 and 52-55. Please amend claims 32 and 51. Please add new claims 56 and 57.

Listing of Claims

Claims 1-31 (cancelled)

32. (currently amendend) A structural panel comprising:

- a) a first track;
- b) a second track;
- c) a plurality of elongated members therebetween connected to and securing the first track to the second track, wherein the intersection of the outermost elongated members and the first track and the second track define four inner corners;
- d) at least one pair of brackets wherein each bracket of a pair is secured to one of two diametrically opposed inner corners, each of said brackets comprised of a polygonal-pentagon shaped body with a first side and a second side defining a thickness with a cavity extending therethrough to further define a cavity wall, a first end and a second end, wherein the first end and the second end each have mutually perpendicular outer surfaces, wherein an imaginary first penetration line extends away from both the first end and the second end and wherein the first penetration line intersects and passes through the cavity wall, wherein a first passageway extends about the first penetration line through the cavity wall, wherein an imaginary second penetration line extends from and in a direction perpendicular to the outer surface of the first end, wherein a second passageway extends about the second penetration line through the cavity wall of the first end, and wherein the cavity wall surrounding the first passageway has a convex shape, a third passageway through the cavity wall positioned opposite the second passageway, wherein the second penetration line passes through the third passageway, each of said brackets being a continuous, unitary member;
- e) a cross member passing through the first passageway of one of the pair of brackets and secured at a first end to the one of the pair of brackets and the cross

member passing through the first passageway of the other of the pair of brackets and secured at a second end to the other of the pair of brackets; and

f) the second passageway of each of the pair of brackets adapted for receiving a connecting member.

33. (previously presented) The structural panel according to claim 32, wherein the imaginary first penetration line forms an angle of between 30-60° with the outer surface of the first end.

34. (previously presented) The structural panel according to claim 33, wherein the angle is 45°.

35-41 (cancelled)

42. (previously presented) The structural panel according to claim 32, wherein the first passageway is biased toward the first side.

43. (cancelled)

44. (previously presented) The structural panel according to claim 32, wherein there are two pairs of brackets.

45. (previously presented) The structural panel according to claim 32, wherein each bracket is welded to one of either a top or second track and to the adjacent outermost stud.

46. (previously presented) The structural panel according to claim 32, wherein each cross member has threaded ends which extend through the first passageways in the brackets and are secured to the brackets with mating nuts, which coact with the cavity walls surrounding the first passageways, such that the tension in the cross member may be adjusted by tightening or loosening the nuts against the brackets.

47. (previously presented) The structural panel according to claim 46, further including washers on each cross member between the nuts and the cavity walls surrounding the first passageways in the brackets.

48. (previously presented) The structural panel as claimed in claim 47, wherein said washer contacts the cavity wall and is tangent thereto.

49. (previously presented) The structural panel as claimed in claim 32, wherein said first passage is elongated so that the cross member may be received by the first passageways in a plurality of angles relative to the first imaginary penetration line of the brackets.

50. (previously presented) The structural panel as claimed in claim 32, wherein the elongated members comprise studs.

51. (currently amended) A structural panel comprising:

- a) a first track;
- b) a second track;
- c) a plurality of elongated members therebetween connected to and securing the first track to the second track, wherein the intersection of the outermost elongated member and the first track and the second track define four corners;
- d) four brackets, each of said brackets being a continuous, unitary member that defines a cavity, one bracket secured to a respective corner, the four brackets defining two pairs of diagonally spaced brackets, each of the brackets defining a cavity, each of said brackets having a first passageway, a second passageway, and a third passageway that communicate with the cavity, wherein a first penetration line extends through the first passageway and a second penetration line extends through the second and third passageways, the second passageway spaced away from the third passageway by the cavity, the second passageway positioned adjacent one of the first track and the second track; and

e) two cross members, each cross member having two end portions, the end portion of each of the cross members received in a respective one of the bracket cavity, each cross member secured to a respective bracket of the pair of the brackets, wherein each of the cross members end portions coacts with a respective bracket of the pair of brackets through a convex-shaped surface defined on the bracket, the first passageway passes through the convex-shaped surface, each of the cross members extends along a respective one the first penetration lines of the brackets to which the cross members coact.

52-55 (cancelled)

56. (new) The structural panel according to claim 51, wherein the brackets have a first side and a second side, defining the thickness of the brackets, wherein the first passageways are biased toward the first side.

57. (new) The structural panel as claimed in claim 51, wherein the panel cross members are tensioned resulting in a structural post-stressed member for use on a multi-storage building.